

## EAST Search History

| Ref # | Hits  | Search Query   | DBs  | Default Operator | Plurals | Time Stamp          |
|-------|-------|--|--|------------------|---------|---------------------|
| L1    | 291   | "van ooj".in. "van ooj"-william.in. "van ooj"-william-\$.<br>in. "van ooj"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/09/22<br>14:08 |
| L2    | 8     | sorenson-max.in. sorenson-max\$.in.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/09/22<br>14:08 |
| L3    | 4     | stacy-matthew.in. stacy-matthew-b.in. stacy-matthew-\$.<br>in.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/09/22<br>14:08 |
| L4    | 291   | "van ooj".in. "van ooj"-william.in. "van ooj"-william-\$.<br>in. "van ooj"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/09/22<br>14:08 |
| L5    | 296   | L1 L2 L3 L4  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/09/22<br>14:08 |
| L6    | 123   | sorenson-m\$.in. sorenson-m\$\$.in.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/09/22<br>14:08 |
| L7    | 43    | stacy-m\$.in. stacy-m\$-b\$.in. stacy-m\$\$.in.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/09/22<br>14:08 |
| L8    | 444   | L1 L2 L3 L4 L6 L7  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/09/22<br>14:09 |
| L9    | 27926 | aminosilane diaminosilane ((amino amine diamino<br>diamine) near5 (silane organosilane alkoxy silane<br>oxysilane)) bistrimethoxysilylpropylethylenediamine<br>(bistrimethoxysilylpropylethylene near2 diamine)<br>((bistrimethoxysilylpropyl adj2 ethylene) near2 diamine)<br>((bistrimethoxysilyl adj2 propyl adj2 ethylene) near2<br>diamine) ((bistrimethoxysilyl adj2 propylethylene) near2<br>diamine) trimethoxysilylpropylethylenediamine<br>(trimethoxysilylpropylethylene near2 diamine)<br>((trimethoxysilylpropyl adj2 ethylene) near2 diamine)<br>((trimethoxysilyl adj2 propyl adj2 ethylene) near2<br>diamine) ((trimethoxysilyl adj2 propylethylene) near2<br>diamine) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2008/09/22<br>14:09 |

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| L10 | 28094  | aminosilane diaminosilane ((amino amine diamino diamine) near5 (silane organosilane alkoxysilane oxysilane)) bistrimethoxysilylpropylamine (bistrimethoxysilylpropyl near2 amine) ((bistrimethoxysilyl adj2 propyl) near2 amine) ((bistrimethoxysilylpropyl) near2 diamine) ((bistrimethoxysilyl adj2 propyl) near2 diamine) trimethoxysilylpropylamine (trimethoxysilylpropyl near2 amine) ((trimethoxysilyl adj2 propyl) near2 amine) ((trimethoxysilylpropyl) near2 diamine) ((trimethoxysilyl adj2 propyl) near2 diamine)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/22 14:09 |
| L11 | 22034  | aminopropyl\$silane \$aminopropyl\$silane (aminopropyl adj2 \$10oxysilane) (\$aminopropyl adj2 \$10oxysilane)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/22 14:09 |
| L12 | 42236  | L9 L10 L11  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/22 14:09 |
| L13 | 5271   | thiosilane thiolsilane ((sulfur sulfide disulfide trisulfide tetrasulfide thio thiol) near5 (silane organosilane alkoxysilane oxysilane)) bistrimethoxysilylpropylidisulfide bistrimethoxysilylpropyltetrasulfide trimethoxysilylpropylidisulfide trimethoxysilylpropyltetrasulfide ((bistrimethoxysilylpropyl (bistrimethoxy adj2 silylpropyl) (bistrimethoxy adj2 silyl adj2 propyl) (bistrimethoxysilyl adj2 propyl) trimethoxysilylpropyl (trimethoxy adj2 silylpropyl) (trimethoxy adj2 silyl adj2 propyl) (trimethoxysilyl adj2 propyl)) near2 (sulfide disulfide trisulfide tetrasulfide)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/22 14:09 |
| L14 | 842619 | (metal metallic steel substrate) with (bond bonded bonding adhesive adhesion adher\$4)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/22 14:09 |
| L15 | 384    | (L12 and L13) and L14 and (rubber elastomer elastomer\$)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/22 14:09 |
| L16 | 103    | L15 and (sulfur with (rubber elastomer elastomeric "nr" "nbr" "sbr" "epdm") with (vulcaniz\$6 curing cured crosslinking crosslinked (cross adj2 (linking linked))))   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/22 14:09 |
| L17 | 52740  | nanoparticle nanofiller (nano adj2 (particle filler))   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/22 14:11 |
| L18 | 145976 | ((filler silica ((silicon zinc) adj2 (oxide dioxide))) same ("nm" nanometer L17 nano)) L17 nanosilica   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/22 14:11 |
| L19 | 16     | I16 and I18   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/09/22 14:11 |

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| L20 | 2     | I8 and I19   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/22<br>14:11 |
| L21 | 27926 | aminosilane diaminosilane ((amino amine diamino diamine) near5 (silane organosilane alkoxy silane oxysilane)) bistrimethoxysilylpropylethylenediamine (bistrimethoxysilylpropylethylene near2 diamine) ((bistrimethoxysilylpropyl adj2 ethylene) near2 diamine) ((bistrimethoxysilyl adj2 propyl adj2 ethylene) near2 diamine) ((bistrimethoxysilyl adj2 propylethylene) near2 diamine) trimethoxysilylpropylethylenediamine (trimethoxysilylpropylethylene near2 diamine) ((trimethoxysilylpropyl adj2 ethylene) near2 diamine) ((trimethoxysilyl adj2 propyl adj2 ethylene) near2 diamine) ((trimethoxysilyl adj2 propylethylene) near2 diamine) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/22<br>14:13 |
| L22 | 28094 | aminosilane diaminosilane ((amino amine diamino diamine) near5 (silane organosilane alkoxy silane oxysilane)) bistrimethoxysilylpropylamine (bistrimethoxysilylpropyl near2 amine) ((bistrimethoxysilylpropyl adj2 propyl) near2 amine) ((bistrimethoxysilylpropyl) near2 diamine) ((bistrimethoxysilyl adj2 propyl) near2 diamine) trimethoxysilylpropylamine (trimethoxysilylpropyl near2 amine) ((trimethoxysilylpropyl adj2 propyl) near2 amine) ((trimethoxysilylpropyl) near2 diamine) ((trimethoxysilyl adj2 propyl) near2 diamine)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/22<br>14:13 |
| L23 | 22034 | aminopropyl\$silane \$aminopropyl\$silane (aminopropyl adj2 \$10oxysilane) (\$aminopropyl adj2 \$10oxysilane)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/22<br>14:13 |
| L24 | 42236 | L21 L22 L23  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/22<br>14:13 |
| L25 | 5271  | thiosilane thiol silane ((sulfur sulfide disulfide trisulfide tetrasulfide thio thiol) near5 (silane organosilane alkoxy silane oxysilane)) bistrimethoxysilylpropyl disulfide bistrimethoxysilylpropyl tetrasulfide trimethoxysilylpropyl disulfide trimethoxysilylpropyl tetrasulfide ((bistrimethoxysilylpropyl (bistrimethoxy adj2 silylpropyl) (bistrimethoxy adj2 silyl adj2 propyl) (bistrimethoxysilyl adj2 propyl) trimethoxysilylpropyl (trimethoxy adj2 silylpropyl) (trimethoxy adj2 silyl adj2 propyl) (trimethoxysilyl adj2 propyl)) near2 (sulfide disulfide trisulfide tetrasulfide))  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/22<br>14:13 |
| L26 | 15317 | 427/299.ccls. 427/301.ccls. 427/327.ccls. 427/328.ccls. 427/402.ccls. 427/404.ccls. 427/405.ccls. 427/406.ccls. 427/407.1.ccls. 427/409.ccls. 427/413.ccls. 427/419.1.ccls. 427/419.2.ccls. 427/419.5.ccls. 427/419.7.ccls. 427/419.8.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/22<br>14:13 |
| L27 | 12273 | 428/446.ccls. 428/447.ccls. 428/448.ccls. 428/450.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/09/22<br>14:13 |

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| L28 | 1598   | 528/38.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/22<br>14:13 |
| L29 | 28412  | L26 L27 L28  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/22<br>14:13 |
| L30 | 42     | L29 and L24 and L25 and (metal metallic steel substrate) and (bond bonded bonding adhesive adhesion adher\$4) and (rubber elastomer elastomer\$)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/22<br>14:13 |
| L31 | 9      | I30 and I18  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2008/09/22<br>14:15 |
| S2  | 179814 | epoxy  | USPAT  | OR | OFF | 2006/02/23<br>14:08 |
| S3  | 20432  | aminosilane diaminosilane ((amino amine diamino diamine) near5 (silane organosilane alkoxy silane oxysilane)) bistrimethoxysilylpropylethylenediamine (bistrimethoxysilylpropylethylene near2 diamine) ((bistrimethoxysilylpropyl adj2 ethylene) near2 diamine) ((bistrimethoxysilylpropyl adj2 propyl adj2 ethylene) near2 diamine) ((bistrimethoxysilylpropyl adj2 propyl adj2 ethylene) near2 diamine) trimethoxysilylpropylethylenediamine (trimethoxysilylpropylethylene near2 diamine) ((trimethoxysilylpropyl adj2 ethylene) near2 diamine) ((trimethoxysilylpropyl adj2 propyl adj2 ethylene) near2 diamine) ((trimethoxysilylpropyl adj2 propyl adj2 propylethylene) near2 diamine) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/23<br>14:15 |
| S4  | 20505  | aminosilane diaminosilane ((amino amine diamino diamine) near5 (silane organosilane alkoxy silane oxysilane)) bistrimethoxysilylpropylamine (bistrimethoxysilylpropyl near2 amine) ((bistrimethoxysilylpropyl adj2 propyl) near2 amine) ((bistrimethoxysilylpropyl) near2 diamine) ((bistrimethoxysilylpropyl adj2 propyl) near2 diamine) trimethoxysilylpropylamine (trimethoxysilylpropyl near2 amine) ((trimethoxysilylpropyl adj2 propyl) near2 amine) ((trimethoxysilylpropyl) near2 diamine) ((trimethoxysilylpropyl adj2 propyl) near2 diamine)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/23<br>14:18 |
| S5  | 15419  | aminopropyl\$silane \$aminopropyl\$silane (aminopropyl adj2 \$10oxysilane) (\$aminopropyl adj2 \$10oxysilane)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/23<br>14:21 |
| S6  | 30374  | S3 S4 S5   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/23<br>16:26 |

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| S7  | 3383 | (thiosilane thiolsilane ((sulfur sulfide disulfide trisulfide tetrasulfide thio thiol) near5 (silane organosilane alkoxy silane oxysilane)) bistrimethoxysilylpropyl disulfide bistrimethoxysilylpropyltetrasulfide trimethoxysilylpropyl disulfide trimethoxysilylpropyltetrasulfide ((bistrimethoxysilylpropyl (bistrimethoxy adj2 silylpropyl) (bistrimethoxy adj2 silyl adj2 propyl) (bistrimethoxysilyl adj2 propyl) trimethoxysilylpropyl (trimethoxy adj2 silylpropyl) (trimethoxy adj2 silyl adj2 propyl) (trimethoxysilyl adj2 propyl)) near2 (sulfide disulfide (trisulfide tetrasulfide))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 14:27 |
| S8  | 596  | S6 same S7  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 14:28 |
| S9  | 59   | S6.ab. and S7.ab.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 14:45 |
| S10 | 0    | vanooij-william.in. vanooij-william-j.in. vanooij-william-\$.<br>in.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 14:46 |
| S11 | 2    | \$ooij-william.in. \$ooij-william-j.in. \$ooij-william-\$.<br>in.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 14:47 |
| S12 | 6    | sorenson-max.in. sorenson-max-\$.<br>in.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 14:47 |
| S13 | 3    | stacy-matthew.in. stacy-matthew-b.in. stacy-matthew-\$.<br>in.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 14:47 |
| S14 | 9    | S11 S12 S13   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/12 14:35 |
| S15 | 6    | "5622782".pn. wo-9920705-\$.<br>did. wo-9967444-\$.<br>did.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 14:51 |
| S16 | 3    | S14 and (nanoparticle nanofiller (nano adj2 (particle<br>filler)))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 15:58 |
| S17 | 3    | S14 and (nanoparticle nanofiller (nano adj2 (particle<br>filler)) filler)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:16 |

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|-----|--------|---|--|----|----|------------------|
| S18 | 267    | S8 and (nanoparticle nanofiller (nano adj2 (particle filler))   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:21 |
| S19 | 0      | S15 and (nanoparticle nanofiller (nano adj2 (particle filler))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:26 |
| S20 | 98     | S18 and ((metal metallic steel) with (bond bonded bonding adhesive adhesion))                                 | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:26 |
| S21 | 168207 | S3 S4 S5 silane alkoxy silane organosilane oxysilane  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:26 |
| S22 | 552093 | (nanoparticle nanofiller (nano adj2 (particle filler))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:27 |
| S23 | 521    | S21.ab. and S22.ab. and (metal metallic steel).ab. and (bond bonded bonding adhesive adhesion).ab.            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:27 |
| S24 | 552093 | nano particle nanofiller (nano adj2 (particle filler))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:28 |
| S25 | 9797   | S24.ab. and S22.ab. and (metal metallic steel).ab. and (bond bonded bonding adhesive adhesion).ab.            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:28 |
| S26 | 24260  | nano particle nanofiller (nano adj2 (particle filler))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:28 |
| S27 | 196    | S26.ab. and S22.ab. and (metal metallic steel).ab. and (bond bonded bonding adhesive adhesion).ab.            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:31 |
| S28 | 1      | S26.ab. and S22.ab. and (metal metallic steel).ab. and (bond bonded bonding adhesive adhesion).ab. and S6.ab. | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:28 |
| S29 | 8      | S26.ab. and S21.ab. and (metal metallic steel).ab. and (bond bonded bonding adhesive adhesion).ab.            | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:33 |

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| S30 | 11    | S21.ab. and (metal metallic steel).ab. and (bond bonded bonding adhesive adhesion).ab. and S26                             | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:35 |
| S31 | 9416  | (metal metallic steel) with substrate with (bond bonded bonding adhesive adhesion) with (plastic polymer polymeric rubber) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 17:22 |
| S32 | 490   | S21.ab. and S31  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:37 |
| S33 | 0     | S21.ab. and S31 and S26.ab.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:37 |
| S34 | 1     | S21.ab. and S31 and S26  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:37 |
| S35 | 25    | S21 and S31 and S26  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:43 |
| S36 | 266   | primer with S21 with (filler silica ((silicon zinc) adj2 (oxide dioxide)))   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:45 |
| S37 | 82843 | ((filler silica ((silicon zinc) adj2 (oxide dioxide))) same ("nm" nanometer S26)) S26                                      | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:46 |
| S38 | 38    | S36 and S37  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:46 |
| S39 | 2053  | S31 and S21  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:49 |
| S40 | 205   | S31 and S21 and S37  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:54 |
| S41 | 16    | (S31 same S21) and S37   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/23 16:58 |

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|-----|--------|---|--|----|----|---------------------|
| S42 | 99     | S8 and S37  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/23<br>17:21 |
| S43 | 186    | S6 and S7 and S37   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/24<br>09:59 |
| S44 | 604806 | (metal metallic steel substrate) with (bond bonded bonding adhesive adhesion)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/23<br>17:22 |
| S45 | 102    | S43 and S44   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/23<br>17:23 |
| S46 | 20432  | aminosilane diaminosilane ((amino amine diamino diamine) near5 (silane organosilane alkoxy silane oxysilane)) bistrimethoxysilylpropylethylenediamine ((bistrimethoxysilylpropylethylene near2 diamine) ((bistrimethoxysilylpropyl adj2 ethylene) near2 diamine) ((bistrimethoxysilylpropyl adj2 propyl adj2 ethylene) near2 diamine) ((bistrimethoxysilylpropyl adj2 propyl adj2 propylethylene) near2 diamine) trimethoxysilylpropylethylenediamine (trimethoxysilylpropylethylene near2 diamine) ((trimethoxysilylpropyl adj2 ethylene) near2 diamine) ((trimethoxysilylpropyl adj2 propyl adj2 ethylene) near2 diamine) ((trimethoxysilylpropyl adj2 propylethylene) near2 diamine) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/24<br>09:59 |
| S47 | 20505  | aminosilane diaminosilane ((amino amine diamino diamine) near5 (silane organosilane alkoxy silane oxysilane)) bistrimethoxysilylpropylamine (bistrimethoxysilylpropyl near2 amine) ((bistrimethoxysilylpropyl adj2 propyl) near2 amine) ((bistrimethoxysilylpropyl) near2 diamine) ((bistrimethoxysilylpropyl adj2 propyl) near2 diamine) trimethoxysilylpropylamine (trimethoxysilylpropyl near2 amine) ((trimethoxysilylpropyl adj2 propyl) near2 amine) ((trimethoxysilylpropyl) near2 diamine) ((trimethoxysilylpropyl adj2 propyl) near2 diamine)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/24<br>09:59 |
| S48 | 15419  | aminopropyl\$silane \$aminopropyl\$silane (aminopropyl adj2 \$10oxysilane) (\$aminopropyl adj2 \$10oxysilane)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/24<br>09:59 |
| S49 | 30374  | S46 S47 S48   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/02/24<br>09:59 |

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| S50 | 3383   | (thiosilane thiolsilane ((sulfur sulfide disulfide trisulfide tetrasulfide thio thiol) near5 (silane organosilane alkoxy silane oxysilane)) bistrimethoxy silylpropyl disulfide bistrimethoxy silylpropyltetrasulfide trimethoxysilylpropyl disulfide trimethoxysilylpropyltetrasulfide ((bistrimethoxy silylpropyl (bistrimethoxy adj2 silylpropyl) (bistrimethoxy adj2 silyl adj2 propyl) (bistrimethoxy silyl adj2 propyl) trimethoxysilylpropyl (trimethoxy adj2 silylpropyl) (trimethoxy adj2 silyl adj2 propyl) (trimethoxysilyl adj2 propyl) near2 (sulfide disulfide trisulfide tetrasulfide)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/24 09:59 |
| S51 | 24260  | nanoparticle nanofiller (nano adj2 (particle filler))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/24 09:59 |
| S52 | 82843  | ((filler silica ((silicon zinc) adj2 (oxide dioxide))) same ("nm" nanometer S51)) S51  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/24 09:59 |
| S53 | 604806 | (metal metallic steel substrate) with (bond bonded bonding adhesive adhesion)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/24 09:59 |
| S54 | 102    | (S49 and S50) and S52 and S53  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/12 14:01 |
| S55 | 168207 | S46 S47 S48 silane alkoxy silane organosilane oxysilane  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/24 10:03 |
| S56 | 81     | (S49 S50 S55).ab. and S52 and S53.ab.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/24 11:04 |
| S57 | 31     | (primer priming (adhesion adj2 promot\$5)).ab. and (S49 S50 S55).ab. and (metal metallic steel substrate).ab. and S52  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/24 11:40 |
| S58 | 2      | ep-1130131-\$ did.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/24 11:41 |
| S59 | 1      | wo-200224344-\$ did.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/24 11:42 |
| S60 | 1      | wo-200231064-\$ did.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/02/24 11:42 |

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| S61 | 1     | wo-200231063-\$ did.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/24<br>11:43 |
| S62 | 2     | wo-9914277-\$ did.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/24<br>12:39 |
| S63 | 13994 | 427/299.ccls. 427/301.ccls. 427/327.ccls. 427/328.ccls.<br>427/402.ccls. 427/404.ccls. 427/405.ccls. 427/406.ccls.<br>427/407.1.ccls. 427/409.ccls. 427/413.ccls. 427/419.1.ccls.<br>427/419.2.ccls. 427/419.5.ccls. 427/419.7.ccls. 427/419.8.<br>ccls. | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/24<br>12:43 |
| S64 | 11130 | 428/446.ccls. 428/447.ccls. 428/448.ccls. 428/450.ccls.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/24<br>12:44 |
| S65 | 1479  | 528/38.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/24<br>12:45 |
| S66 | 25914 | S63 S64 S65  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/02/24<br>12:46 |
| S67 | 60    | S66 and S46 and S50  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/09/12<br>14:10 |
| S68 | 1     | wo-200063303-\$ did.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/06<br>08:27 |
| S69 | 1     | ep-1157146-\$ did.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/06<br>08:29 |
| S70 | 1     | 2000-498890.NRAN.  | DERWENT  | OR | OFF | 2006/03/06<br>08:27 |
| S71 | 2     | ep-816420-\$ did.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/06<br>08:30 |
| S72 | 2     | de-10015308-\$ did.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/03/06<br>08:31 |
| S73 | 8     | ("5958161" "6268421" "6409874" "6416869").pn.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2006/08/17<br>16:18 |

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|-----|-------|--|--|----|----|------------------|
| S74 | 21427 | aminosilane diaminosilane ((amino amine diamino diamine) near5 (silane organosilane alkoxy silane oxysilane)) bistrimethoxysilylpropylethylenediamine ((bistrimethoxysilylpropylethylene near2 diamine) ((bistrimethoxysilylpropyl adj2 ethylene) near2 diamine) ((bistrimethoxysilyl adj2 propyl adj2 ethylene) near2 diamine) ((bistrimethoxysilyl adj2 propylethylene) near2 diamine) trimethoxysilylpropylethylenediamine (trimethoxysilylpropylethylene near2 diamine) (((trimethoxysilylpropyl adj2 ethylene) near2 diamine) ((trimethoxysilyl adj2 propyl adj2 ethylene) near2 diamine) ((trimethoxysilyl adj2 propylethylene) near2 diamine) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/17 16:19 |
| S75 | 21504 | aminosilane diaminosilane ((amino amine diamino diamine) near5 (silane organosilane alkoxy silane oxysilane)) bistrimethoxysilylpropylamine (bistrimethoxysilylpropyl near2 amine) ((bistrimethoxysilyl adj2 propyl) near2 amine) ((bistrimethoxysilylpropyl) near2 diamine) ((bistrimethoxysilyl adj2 propyl) near2 diamine) trimethoxysilylpropylamine (trimethoxysilylpropyl near2 amine) ((trimethoxysilyl adj2 propyl) near2 amine) ((trimethoxysilylpropyl) near2 diamine) ((trimethoxysilyl adj2 propyl) near2 diamine)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/17 16:19 |
| S76 | 16284 | aminopropyl\$silane \$aminopropyl\$silane (aminopropyl adj2 \$10oxysilane) (\$aminopropyl adj2 \$10oxysilane)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/17 16:19 |
| S77 | 31912 | S74 S75 S76  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/17 16:19 |
| S78 | 3661  | thiosilane thiolsilane ((sulfur sulfide disulfide trisulfide (tetrasulfide thio thiol) near5 (silane organosilane alkoxy silane oxysilane)) bistrimethoxysilylpropyl disulfide bistrimethoxysilylpropyl tetrasulfide trimethoxysilylpropyl disulfide trimethoxysilylpropyl tetrasulfide ((bistrimethoxysilylpropyl (bistrimethoxy adj2 silylpropyl) (bistrimethoxy adj2 silyl adj2 propyl) (bistrimethoxysilyl adj2 propyl) trimethoxysilylpropyl (trimethoxy adj2 silylpropyl) (trimethoxy adj2 silyl adj2 propyl) (trimethoxysilyl adj2 propyl)) near2 (sulfide disulfide trisulfide tetrasulfide))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/17 16:19 |
| S79 | 3166  | (metal steel) with (bond bonding bonded adhere adhesion) with (silane organosilane S77 S78)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/17 16:25 |
| S80 | 1477  | thickness and S79  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/17 16:22 |
| S81 | 217   | (thickness with (silane organosilane S77 S78)) and S79   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2006/08/17 16:26 |

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| S82 | 241   | ((corrosion\$5 with (silane organosilane S77 S78)) and S79   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/17<br>16:23 |
| S83 | 39    | S81 and S82  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/17<br>16:24 |
| S84 | 280   | ((metal steel) with (bond bonding bonded adhere adhesion)<br>with (silane organosilane S77 S78) with (rubber elastomer<br>elastomeric) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28<br>15:04 |
| S85 | 20    | ((thickness with (silane organosilane S77 S78)) and S84  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/17<br>16:32 |
| S86 | 121   | thickness and S84  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/17<br>16:45 |
| S87 | 28036 | nano particle nanofiller (nano adj2 (particle filler))   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/17<br>16:45 |
| S88 | 91217 | ((filler silica ((silicon zinc) adj2 (oxide dioxide))) same<br>("nm" nanometer S87) S87  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/17<br>16:45 |
| S89 | 91235 | S87 S88 nanosilica   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/17<br>16:46 |
| S90 | 15    | (S87 S88 S89) and S84  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/17<br>16:49 |
| S91 | 15    | (S87 S88 S89 snowtex) and S84  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/17<br>16:50 |
| S92 | 15    | (S87 S88 S89 snowtex\$) and S84  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/17<br>16:52 |
| S93 | 121   | silica and S84   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/17<br>16:52 |

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| S94  | 21     | (silica with particle with (size diameter)) and S84  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/17<br>16:54 |
| S95  | 884694 | silica ((silicon zinc) adj2 (oxide dioxide))   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/17<br>16:55 |
| S96  | 136    | S95 and S84  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/17<br>17:03 |
| S97  | 20     | "5178675"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2006/08/17<br>17:03 |
| S98  | 22479  | aminosilane diaminosilane ((amino amine diamino diamine) near5 (silane organosilane alkoxy silane oxysilane)) bistrimethoxysilylpropylethylenediamine (bistrimethoxysilylpropylethylene near2 diamine) ((bistrimethoxysilylpropyl adj2 ethylene) near2 diamine) ((bistrimethoxysilyl adj2 propyl adj2 ethylene) near2 diamine) ((bistrimethoxysilyl adj2 propyl adj2 propylethylene) near2 diamine) trimethoxysilylpropylethylenediamine (trimethoxysilylpropylethylene near2 diamine) ((trimethoxysilylpropyl adj2 ethylene) near2 diamine) ((trimethoxysilyl adj2 propyl adj2 ethylene) near2 diamine) ((trimethoxysilyl adj2 propyl adj2 propylethylene) near2 diamine) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28<br>15:05 |
| S99  | 22572  | aminosilane diaminosilane ((amino amine diamino diamine) near5 (silane organosilane alkoxy silane oxysilane)) bistrimethoxysilylpropylamine (bistrimethoxysilylpropyl near2 amine) ((bistrimethoxysilyl adj2 propyl) near2 amine) ((bistrimethoxysilylpropyl) near2 diamine) ((bistrimethoxysilyl adj2 propyl) near2 diamine) trimethoxysilylpropylamine (trimethoxysilylpropyl near2 amine) ((trimethoxysilyl adj2 propyl) near2 amine) ((trimethoxysilylpropyl) near2 diamine) ((trimethoxysilyl adj2 propyl) near2 diamine)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28<br>15:05 |
| S100 | 17213  | aminopropyl\$silane \$aminopropyl\$silane (aminopropyl adj2 \$10oxysilane) (\$aminopropyl adj2 \$10oxysilane)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28<br>15:05 |
| S101 | 33542  | S98 S99 S100   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28<br>15:05 |

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| S102 | 3939   | (thiosilane thiolsilane ((sulfur sulfide disulfide trisulfide tetrasulfide thio thiol) near5 (silane organosilane alkoxy silane oxysilane)) bistrimethoxysilylpropyl disulfide bistrimethoxysilylpropyltetrasulfide trimethoxysilylpropyl disulfide trimethoxysilylpropyltetrasulfide ((bistrimethoxysilylpropyl (bistrimethoxy adj2 silylpropyl) (bistrimethoxy adj2 silyl adj2 propyl) (bistrimethoxysilyl adj2 propyl) trimethoxysilylpropyl (trimethoxy adj2 silylpropyl) (trimethoxy adj2 silyl adj2 propyl) (trimethoxysilyl adj2 propyl)) near2 (sulfide disulfide (trisulfide tetrasulfide))) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:54 |
| S103 | 606    | (metal steel).ab. and (bond bonding bonded adhere adhesion).ab. and (silane organosilane S101 S102).ab. and (rubber elastomer elastomeric).ab.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 15:08 |
| S104 | 640    | (metal steel).ab. and (bond bonding bonded adhere adhesion primer).ab. and (silane organosilane S101 S102).ab. and (rubber elastomer elastomeric).ab.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 15:48 |
| S105 | 70     | S104 and thickness  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 15:08 |
| S106 | 19094  | (metal steel) with (bond bonding bonded adhere adhesion primer) with (rubber elastomer elastomeric)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:55 |
| S107 | 30703  | bond bonding bonded adhere adhesion primer) with (silane organosilane S101 S102)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 15:49 |
| S108 | 1095   | S106 and S107   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 15:48 |
| S109 | 441    | (bond bonding bonded adhere adhesion primer) with (silane organosilane S101 S102) with thickness  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 15:50 |
| S110 | 19     | S106 and S109   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 15:49 |
| S111 | 106103 | ((bond bonding bonded adhere adhesion primer) (silane organosilane S101 S102)) with thickness   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 15:51 |
| S112 | 207    | S108 and S111   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 15:56 |

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| S113 | 3910 | 428/448.ccls. 428/450.ccls.                                    | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28<br>15:57 |
| S114 | 8905 | 428/448.ccls. 428/450.ccls. 428/447.ccls.                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28<br>15:57 |
| S115 | 302  | S106 and S114  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28<br>17:00 |
| S116 | 77   | S106 and S114 and S111   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28<br>16:37 |
| S117 | 9    | ("3022196" "3445326").pn.                                      | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28<br>16:27 |
| S118 | 66   | "3022196" "3445326"  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28<br>16:28 |
| S119 | 34   | S118 and thickness   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28<br>16:28 |
| S120 | 196  | S106 and S114 and thickness                                    | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28<br>16:39 |
| S121 | 7    | vanooij.in.  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28<br>16:39 |
| S122 | 926  | \$ooij.in.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28<br>16:40 |
| S123 | 5    | \$ooij\$-william.in.\$ooij\$-william-\$in.                     | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28<br>16:41 |
| S124 | 87   | "van ooij".in. "van ooij"-william.in. "van ooij"-william-\$in. | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28<br>16:44 |

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| S125 | 260    | "van ooj".in. "van ooj"-william.in. "van ooj"-william-\$.in. "van ooj" | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:44 |
| S126 | 173    | S125 not S124  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:44 |
| S127 | 173    | S125 and S126  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:44 |
| S128 | 87     | S124 and S125  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:45 |
| S129 | 77     | S125 and S106  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:45 |
| S130 | 61     | S125 and S106 and thickness  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/12 13:59 |
| S131 | 19     | S124 and S106 and thickness  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:52 |
| S132 | 5      | S101.clm. and S102.clm. and S124                                       | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:54 |
| S133 | 145406 | (rubber elastomer elastomeric).clm.                                    | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:55 |
| S134 | 3      | S132 and S133  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 16:55 |
| S135 | 196    | S106 and S114 and thickness  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 17:01 |
| S136 | 116984 | nanosize nanometer nanoparticle nanoparticulate nanoscale              | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/02/28 17:01 |

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| S137 | 7     | S124 and S136  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28<br>17:02 |
| S138 | 0     | S124 and submicron   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28<br>17:03 |
| S139 | 23    | S124 and (silica "sio2" ((silicon zinc) adj2 (oxide dioxide)))   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28<br>17:18 |
| S140 | 2     | wo-9920705-\$ did.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/02/28<br>17:18 |
| S141 | 19490 | (metal steel) with (bond bonding bonded adhere adhesion primer) with (rubber elastomer elastomeric)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/12<br>13:59 |
| S142 | 272   | "van ooij".in. "van ooij"-william.in. "van ooij"-william-.in. "van ooij"   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/12<br>13:59 |
| S143 | 63    | S142 and S141 and thickness  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/12<br>14:36 |
| S144 | 23582 | aminosilane diaminosilane ((amino amine diamino diamine) near5 (silane organosilane alkoxy silane oxysilane)) bistrimethoxysilylpropylethylenediamine (bistrimethoxysilylpropylethylene near2 diamine) ((bistrimethoxysilylpropyl adj2 ethylene) near2 diamine) ((bistrimethoxysilyl adj2 propyl adj2 ethylene) near2 diamine) ((bistrimethoxysilyl adj2 propyladj2 ethylene) near2 diamine) trimethoxysilylpropylethylenediamine (trimethoxysilylpropylethylene near2 diamine) ((trimethoxysilylpropyl adj2 ethylene) near2 diamine) ((trimethoxysilyl adj2 propyl adj2 ethylene) near2 diamine) ((trimethoxysilyl adj2 propyladj2 ethylene) near2 diamine) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/12<br>14:01 |
| S145 | 23677 | aminosilane diaminosilane ((amino amine diamino diamine) near5 (silane organosilane alkoxy silane oxysilane)) bistrimethoxysilylpropylamine (bistrimethoxysilylpropyl near2 amine) ((bistrimethoxysilyl adj2 propyl) near2 amine) ((bistrimethoxysilylpropyl) near2 diamine) ((bistrimethoxysilyl adj2 propyl) near2 diamine) trimethoxysilylpropylamine (trimethoxysilylpropyl near2 amine) ((trimethoxysilyl adj2 propyl) near2 amine) ((trimethoxysilylpropyl) near2 diamine) ((trimethoxysilyl adj2 propyl) near2 diamine)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/12<br>14:01 |
| S146 | 18174 | aminopropyl\$silane \$aminopropyl\$silane (aminopropyl adj2 \$10oxysilane) (\$aminopropyl adj2 \$10oxysilane)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/12<br>14:01 |

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| S147 | 35244  | S144 S145 S146  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/12<br>14:01 |
| S148 | 4234   | thiosilane thiolsilane ((sulfur sulfide disulfide trisulfide tetrasulfide thio thiol) near5 (silane organosilane alkoxysilane oxysilane)) bistrimethoxysilylpropylidisulfide bistrimethoxysilylpropyltetrasulfide trimethoxysilylpropylidisulfide trimethoxysilylpropyltetrasulfide ((bistrimethoxysilylpropyl (bistrimethoxy adj2 silylpropyl (bistrimethoxy adj2 silyl adj2 propyl (bistrimethoxysilyl adj2 propyl) trimethoxysilylpropyl (trimethoxy adj2 silylpropyl) (trimethoxy adj2 silyl adj2 propyl) (trimethoxysilyl adj2 propyl) near2 (sulfide disulfide trisulfide tetrasulfide))) | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/12<br>14:01 |
| S149 | 38683  | nanoparticle nanofiller (nano adj2 (particle filler))   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/12<br>14:01 |
| S150 | 112387 | ((filler silica ((silicon zinc) adj2 (oxide dioxide))) same ("nm" nanometer S149)) S149   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/12<br>14:01 |
| S151 | 681615 | (metal metallic steel substrate) with (bond bonded bonding adhesive adhesion)   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/12<br>14:04 |
| S152 | 142    | (S147 and S148) and S150 and S151   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/12<br>14:03 |
| S153 | 308    | (S147 and S148) and S151 and (rubber elastomer elastomer \$)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/12<br>14:04 |
| S154 | 784594 | (metal metallic steel substrate) with (bond bonded bonding adhesive adhesion adher\$4)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/12<br>14:11 |
| S155 | 321    | (S147 and S148) and S154 and (rubber elastomer elastomer \$)  | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/12<br>14:04 |
| S156 | 15     | S155 and S142   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/12<br>14:05 |
| S157 | 14804  | 427/299.ccls. 427/301.ccls. 427/327.ccls. 427/328.ccls. 427/402.ccls. 427/404.ccls. 427/405.ccls. 427/406.ccls. 427/407.1.ccls. 427/409.ccls. 427/413.ccls. 427/419.1.ccls. 427/419.2.ccls. 427/419.5.ccls. 427/419.7.ccls. 427/419.8.ccls.   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/09/12<br>14:11 |

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|------|-------|--|--|----|----|------------------|
| S158 | 11858 | 428/446.ccls. 428/447.ccls. 428/448.ccls. 428/450.ccls.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/12 14:11 |
| S159 | 1564  | 528/38.ccls.   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/12 14:11 |
| S160 | 27479 | S157 S158 S159   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/12 14:11 |
| S161 | 83    | S160 and S147 and S148   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/12 14:11 |
| S162 | 37    | S160 and S147 and S148 and (metal metallic steel substrate) and (bond bonded bonding adhesive adhesion adher\$4) and (rubber elastomer elastomer\$)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/12 14:12 |
| S163 | 8     | sorenson-max.in. sorenson-max-\$ .in.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/12 14:35 |
| S164 | 34    | stacy-matthew.in. stacy-matthew-b.in. stacy-matthew-\$ .in.  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/12 14:35 |
| S165 | 277   | S142 S163 S164   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/12 14:35 |
| S166 | 63    | S165 and S141 and thickness  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2007/09/12 14:36 |
| S171 | 277   | "van ooij".in. "van ooij"-william.in. "van ooij"-william-\$ .in. "van ooij"  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/22 09:05 |
| S172 | 26456 | aminosilane diaminosilane ((amino amine diamino diamine) near5 (silane organosilane alkoxy silane oxysilane)) bistrimethoxysilylpropylethylenediamine (bistrimethoxysilylpropylethylene near2 diamine) ((bistrimethoxysilylpropyl adj2 ethylene) near2 diamine) ((bistrimethoxysilyl adj2 propyl adj2 ethylene) near2 diamine) ((bistrimethoxysilyl adj2 propylethylene) near2 diamine) trimethoxysilylpropylethylenediamine (trimethoxysilylpropylethylene near2 diamine) ((trimethoxysilylpropyl adj2 ethylene) near2 diamine) ((trimethoxysilyl adj2 propyl adj2 ethylene) near2 diamine) ((trimethoxysilyl adj2 propylethylene) near2 diamine) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/22 09:05 |

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|------|--------|---|--|----|----|------------------|
| S173 | 26603  | aminosilane diaminosilane ((amino amine diamino diamine) near5 (silane organosilane alkoxysilane oxysilane)) bistrimethoxysilylpropylamine (bistrimethoxysilylpropyl near2 amine) ((bistrimethoxysilyl adj2 propyl) near2 amine) ((bistrimethoxysilylpropyl) near2 diamine) ((bistrimethoxysilyl adj2 propyl) near2 diamine) trimethoxysilylpropylamine (trimethoxysilylpropyl near2 amine) ((trimethoxysilyl adj2 propyl) near2 amine) ((trimethoxysilylpropyl) near2 diamine) ((trimethoxysilyl adj2 propyl) near2 diamine)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/22 09:05 |
| S174 | 20798  | aminopropylsilane \$aminopropyl\$silane (aminopropyl adj2 \$10oxysilane) (\$aminopropyl adj2 \$10oxysilane)   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/22 09:05 |
| S175 | 39954  | S172 S173 S174  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/22 09:05 |
| S176 | 4861   | thiosilane thiolsilane ((sulfur sulfide disulfide trisulfide tetrasulfide thio thiol) near5 (silane organosilane alkoxysilane oxysilane)) bistrimethoxysilylpropylidisulfide bistrimethoxysilylpropyltetrasulfide trimethoxysilylpropylidisulfide trimethoxysilylpropyltetrasulfide ((bistrimethoxysilylpropyl (bistrimethoxy adj2 silylpropyl) (bistrimethoxy adj2 silyl adj2 propyl) (bistrimethoxysilyl adj2 propyl) trimethoxysilylpropyl (trimethoxy adj2 silylpropyl) (trimethoxy adj2 silyl adj2 propyl) (trimethoxysilyl adj2 propyl)) near2 (sulfide disulfide trisulfide tetrasulfide)) | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/22 09:05 |
| S177 | 809305 | (metal metallic steel substrate) with (bond bonded bonding adhesive adhesion adher\$4)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/22 09:05 |
| S178 | 354    | (S175 and S176) and S177 and (rubber elastomer elastomer \$)  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/22 09:05 |
| S179 | 14     | S178 and S171 and (sulfur with (rubber elastomer elastomeric) with (curing cured crosslinking crosslinked (cross adj2 (linking linked))))   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/22 09:07 |
| S180 | 96     | S178 and (sulfur with (rubber elastomer elastomeric "nr" "nbr" "sbr" "epdm") with (vulcaniz\$6 curing cured crosslinking crosslinked (cross adj2 (linking linked))))  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/22 09:28 |
| S181 | 38     | S178 and (sulfur with (rubber elastomer elastomeric "nr" "nbr" "sbr" "epdm") with (vulcaniz\$6 curing cured crosslinking crosslinked (cross adj2 (linking linked)))) and thickness  | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/22 09:30 |
| S182 | 45703  | nanoparticle nanofiller (nano adj2 (particle filler))   | US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB | OR | ON | 2008/02/22 10:07 |

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|------|--------|---|--|----|----|---------------------|
| S183 | 129524 | ((filler silica ((silicon zinc) adj2 (oxide dioxide))) same ("nm" nanometer S182)) S182 | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/22<br>10:07 |
| S184 | 6      | S181 and S183   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/22<br>10:07 |
| S185 | 15     | S180 and S183   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/22<br>10:08 |
| S186 | 324    | ((S175 S176) with (primer priming)) and S177 and (rubber elastomer elastomer\$)         | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/22<br>10:11 |
| S187 | 28     | S186 and S183   | US-PGPUB;<br>USPAT; USOCR;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2008/02/22<br>10:12 |

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